

Title (en)

OPTICAL-ELECTRICAL TRANSMISSION CONNECTOR AND RELATED OPTICAL-ELECTRICAL TRANSMISSION DEVICE

Title (de)

STECKER ZUR OPTISCH-ELEKTRISCHEN ÜBERTRAGUNG UND ZUGEHÖRIGE VORRICHTUNG ZUR OPTISCH-ELEKTRISCHEN ÜBERTRAGUNG

Title (fr)

CONNECTEUR DE TRANSMISSION OPTIQUE-ÉLECTRIQUE, ET DISPOSITIF DE TRANSMISSION OPTIQUE-ÉLECTRIQUE ASSOCIÉ

Publication

**EP 3588158 B1 20220119 (EN)**

Application

**EP 19192117 A 20090128**

Priority

- JP 2008020737 A 20080131
- EP 09001174 A 20090128

Abstract (en)

[origin: EP2085802A1] An optical-electrical transmission connector having resistance to optical axis misalignment, having small loss, easily increasing the number of buses, and capable of being formed of a commonly-used material is provided. In a male connector, one collimating lens facing the other collimating lens when connecting the male connector to a female connector is arranged, and a light guide is arranged corresponding to the focal point of the one collimating lens. A positioning section is arranged corresponding to surroundings of the one collimating lens, and the positioning section has one inclined surface coming into contact with the other inclined surface when connecting the male connector to the female connector.

IPC 8 full level

**G02B 6/43** (2006.01); **G02B 6/38** (2006.01); **G02B 6/42** (2006.01); **G06F 1/16** (2006.01)

CPC (source: EP US)

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